ASHEVILLE FIRE AND RESCUE DEPARTMENT
REQUEST FOR FIRE PROTECTION WATER SUPPLY ANALYSIS

This form must accompany the submittal for a zoning permit for each proposed building.

The City of Asheville requires that adequate water flow for fire fighting purposes be available at all building projects. The amount of water needed, defined as fire flow in the city ordinances, will be calculated from the information supplied on this document.

Project Name _____

Project Application Number _____

Address_____

PIN_____

Describe the intended use_____

Basic Project Information:

Number of stories _____ Type of construction as defined in the International Building Code _____
(See reverse of this form for guidance and/or contact your designer)

Is the building fully sprinklered? _____ Have plans been submitted for a building permit?_____

Have plans for any water line extensions been submitted to City Engineering for approval? _____

Square footage of the largest floor _____

You must attach a copy of your project water flow test conducted for this project by the City of Asheville Water Dept. or approved Letter of Commitment. (828) 259-5975 (Required for all NEW projects or when requested by the Fire Marshal's Office)

The applicant affirms by their signature that the information supplied on this form is accurate.

_____/ Date_____/ Phone_____
Signature

FIRE MARSHAL'S OFFICE USE ONLY

Reviewed by: _____ Date:_____

Required fire flow _____gpm @ 20 psi residual pressure

Results of fire flow test _____gpm @ 20 psi residual pressure

Approved: Yes_____ No : _____(See attached review comments)

HOW TO GUESS YOUR CONSTRUCTION TYPE

In order for us to insure an accurate fire flow calculation for your building, it is important for us to know how combustible the building is. The "Construction Type" of the building is a guide to this. Please use the type below that you feel most closely describes your building.

Type V Type V construction is that type of construction in which the structural elements, exterior walls and interior walls are of any materials permitted by this code. Wood frame construction. Generally has a wooden exterior but may have brick or stone veneer. Have wood interior walls and a wood roof deck. Most single family houses are Type V.

Type IV Type IV construction (Heavy Timber, HT) is that type of construction in which the exterior walls are of noncombustible materials and the interior building elements are of solid or laminated wood without concealed spaces. The details of Type IV construction shall comply with the provisions of this section. All wood structural members are large. Bigger than 2 x 4!!! Columns are wood not less than 8 inches and beams are not less than 6 x 10. If 2 x 4 walls are on outside it is type VI.

Type III Type III construction is that type of construction in which the exterior walls are of noncombustible materials and the interior building elements are of any material permitted by this code. Often called "ordinary construction". Masonry exterior walls (not a masonry veneer). The interior walls may have some wood and the roof deck is often wood.

Type II Metal buildings, and buildings with all non-combustible materials. Steel buildings with steel roof decks with fire retardant treated wood throughout. Non-combustible construction. (If the building has a wooden roof deck it is not type II but Type III).

Type I Not very likely. Must have a previous history or architects documents to support a claim of Type I. Usually for high rises, hospitals and newer public school buildings. Has 3 or 4 hour fire ratings. Steel is encased or protected. No wood structure will be present.

The most accurate way for you to determine the project construction type is for your design professional or builder to assist you in completing this form.

If you have additional questions, please contact the plan reviewer for the Fire Department at 828-259-5441.